

GLOUCESTERSHIRE # Ogreener Oglos NET ZERO CONFERENCE 2022

PLAN • IMPLEMENT • ACCELERATE

IN PARTNERSHIP WITH

THE GROWTH HUB





Greener Glos

Please welcome RUTH DOOLEY CHAIR OF GFIRST LEP

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ACCELERATE





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GLOUCESTERSHIRE NET ZERO CONFERENCE 2022





ACCELERATE





Deage welcome



Ben Goodare
HEAD OF SUSTAINABILITY
RENISHAW



Rob Malin CEO WHEN IN ROME



Matt Cleevely
MANAGING DIRECTOR
CLEEVELY MOTORS EV



Caroline Aistrop
CREATIVE DIRECTOR
GREEN SPARKS MARKETING



Andrew McKenzie
SUSTAINABILITY SPECIALIST BUSINESS
GUIDE AT THE GROWTH HUB



Philip Bate
Team Leader - Southwest
TRIODOS BANK

lour exhibitors





visitgloucestershire





















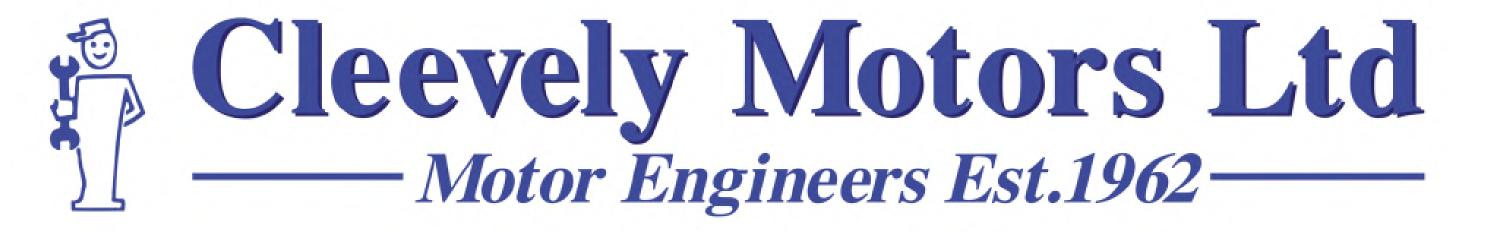




MATT CLEEVELY EV

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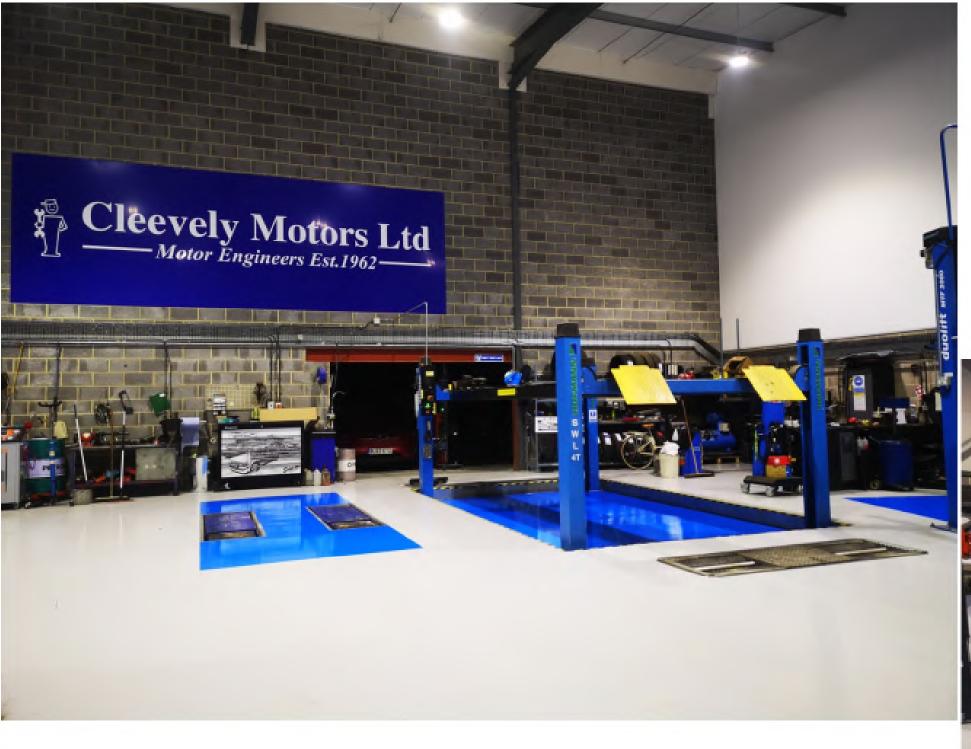


The independent EV specialists

























THEGATE UK and THEATRE













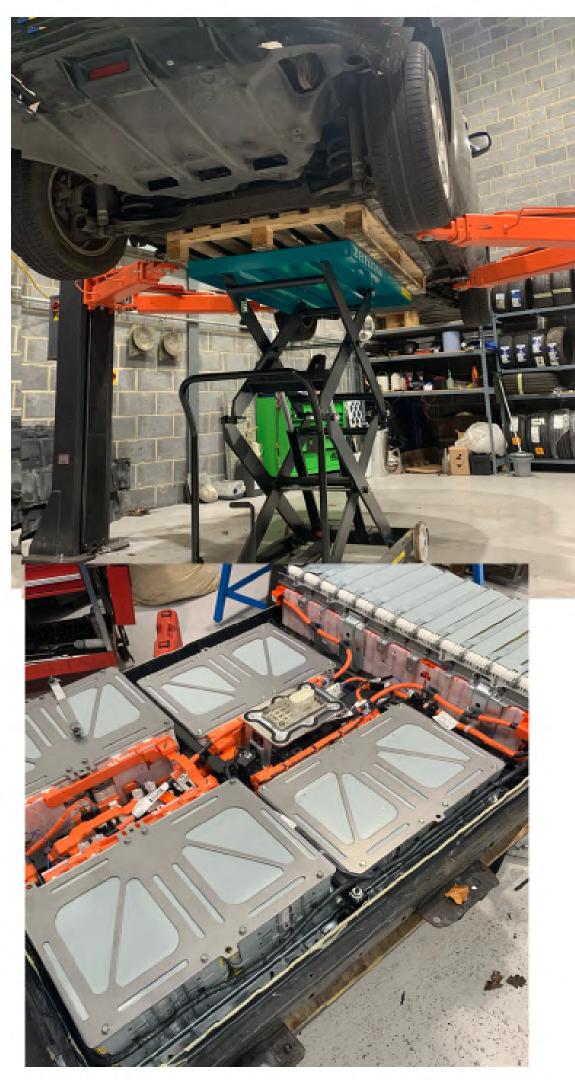


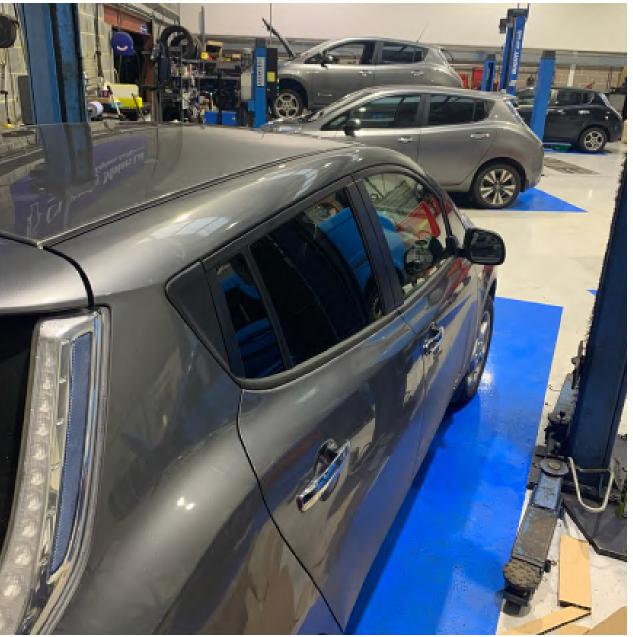




















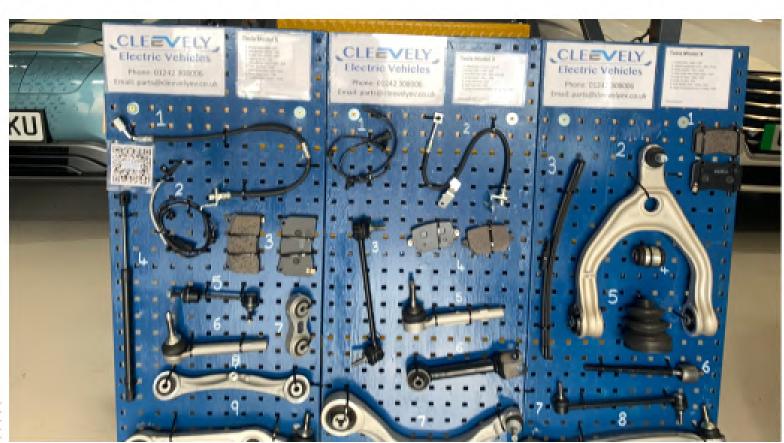




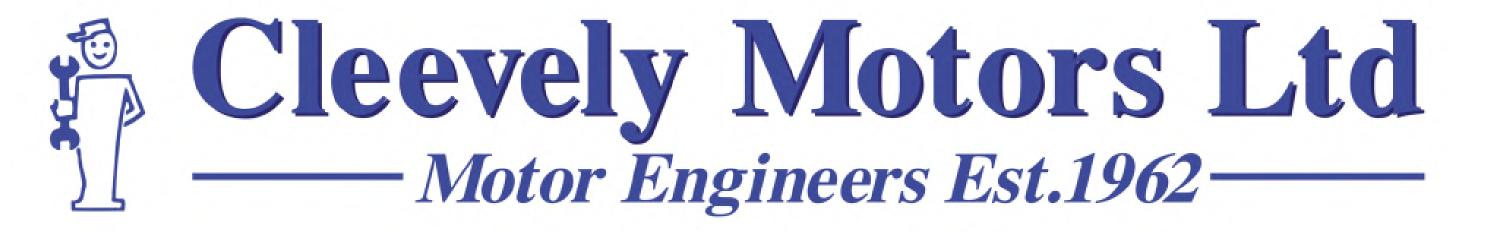














The independent EV specialists



ANDREW MCKENZIE THE GROWTH HUB

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ELIVERING

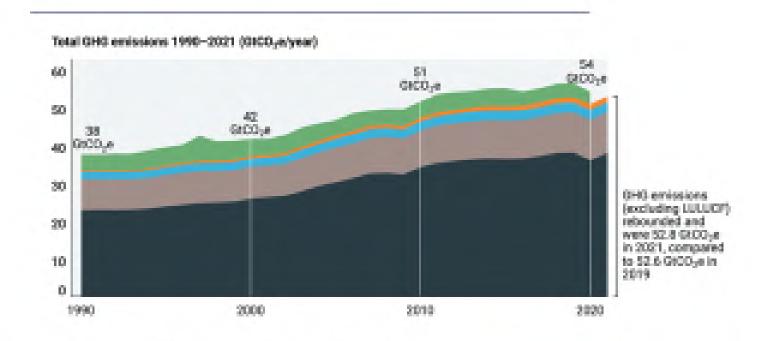


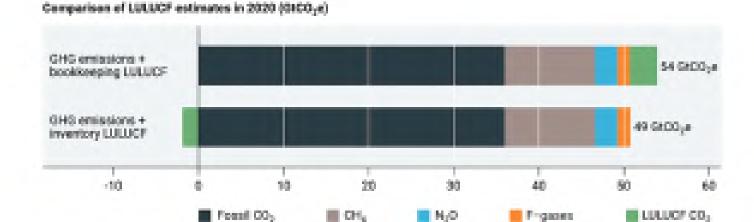






Global Annual Emissions





Source: Chart by Carbon Brief; Figure 2.1 from the 2022 UNEP emissions gap report.



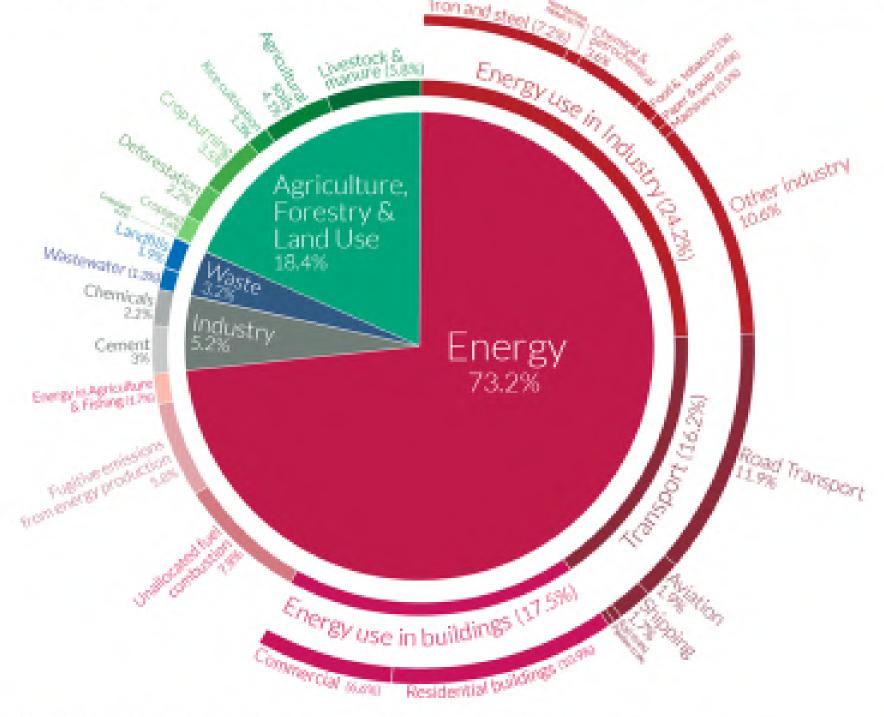




Global greenhouse gas emissions by sector



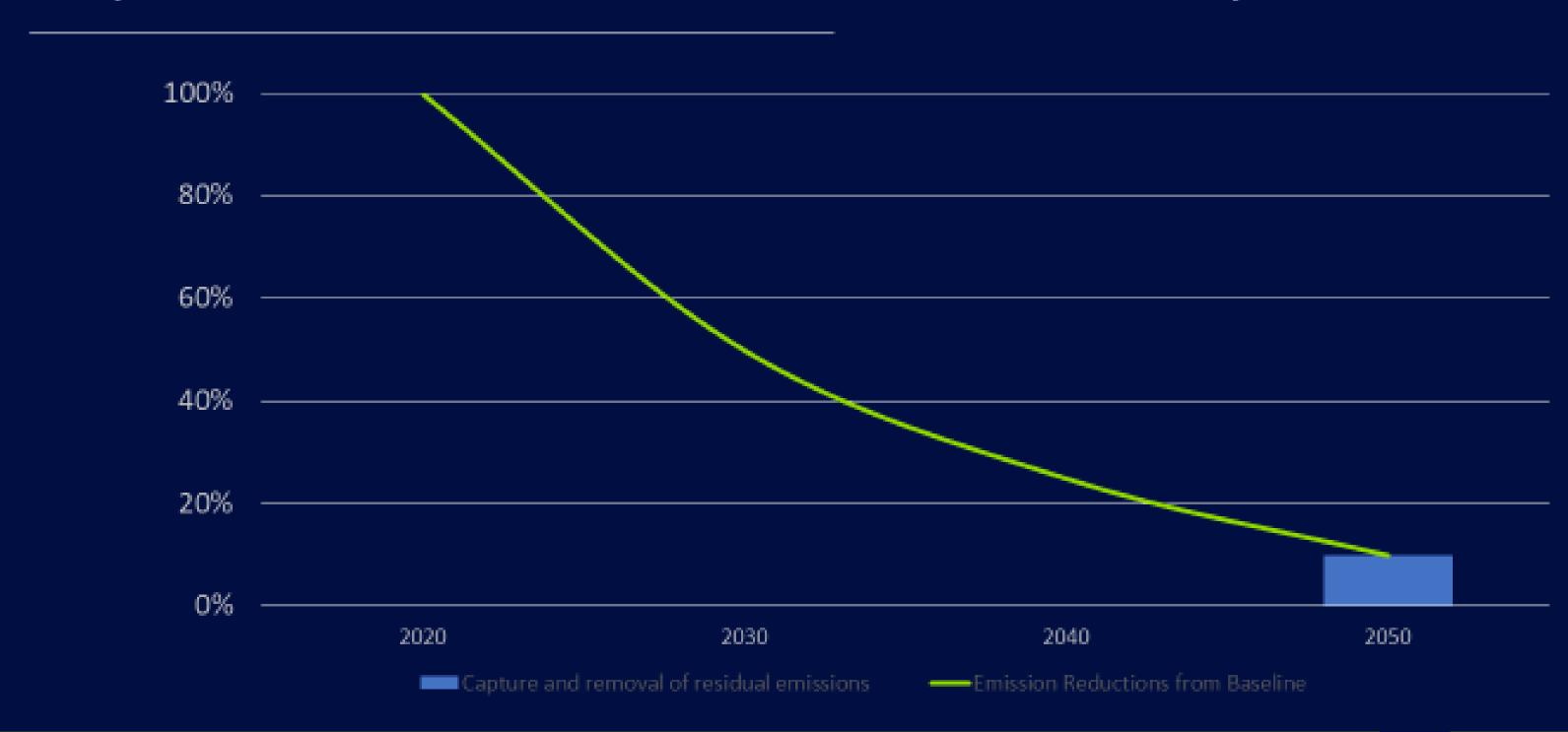
This is shown for the year 2016 - global greenhouse gas emissions were 49.4 billion tonnes CO,eq.



OurWorldinData.org - Research and data to make progress against the world's largest problems.

Source: Climate Watch, the World Resources Institute (2020). Licensed under CC-6Y by the author Hannah Ritchie (2020).

Simplified Net Zero Emission Reduction Pathway









Delayed Emission Reduction

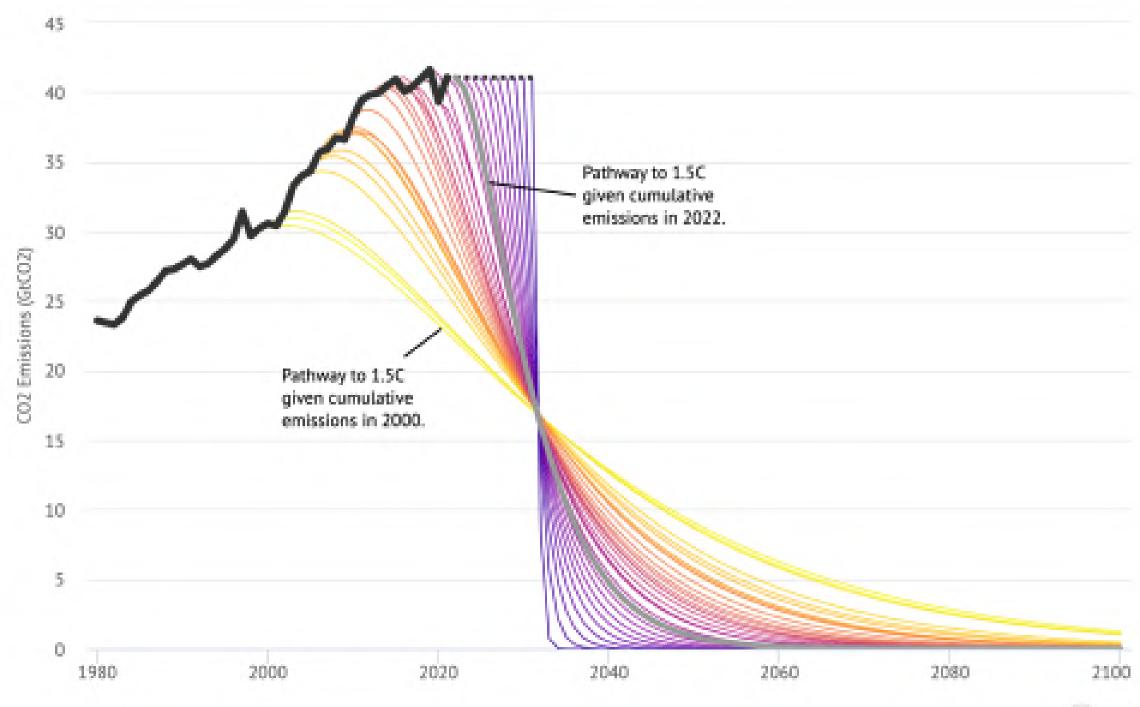
Emission reduction trajectories associated with a 50% chance of limiting warming below 1.5C, without a reliance on net-negative emissions, by starting year.

2000: ~3% annual reduction to 2040

2022: ~12% annual reduction to 2040

2028: ~30% annual reduction to 2040

Negative Emission Technologies (CCUS) may - if effective and rapidly scalable - soften gradient



Source: Chart by Carbon Brief; Data and original figure design from Robbie Andrews

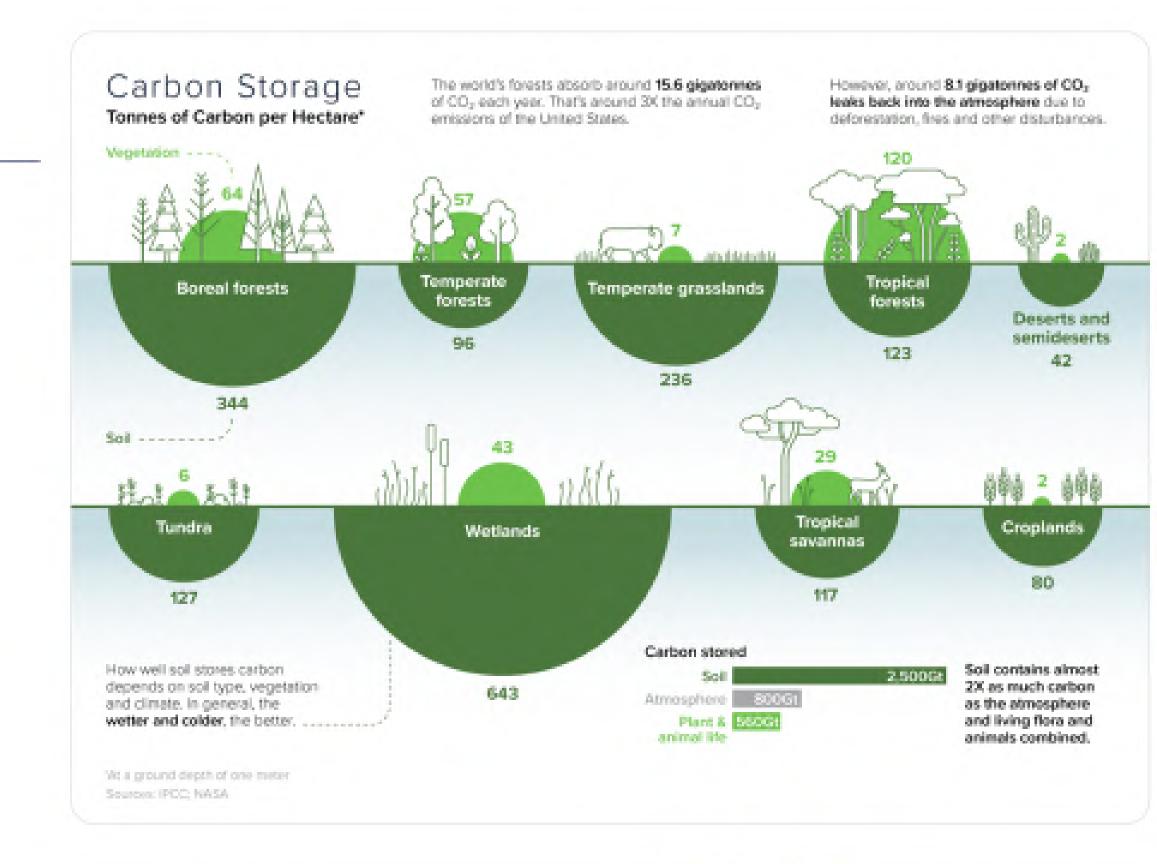








Natural Carbon Sinks









National Net Zero Targets

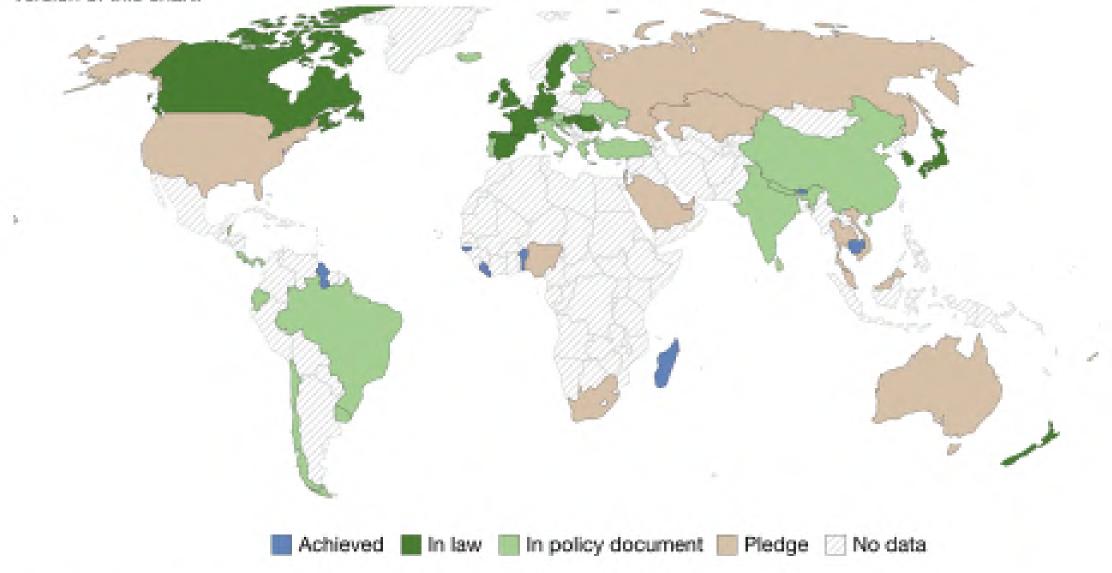
Source: Our World in Data

Status of net-zero carbon emissions targets



The inclusion criteria for net-zero commitments may vary from country to country. For example, the inclusion of international aviation emissions; or the acceptance of carbon offsets.

To see the year for which countries have pledged to achieve net-zero, hover over the country in the interactive version of this chart.



Source: Net Zero Tracker. Energy and Climate Intelligence Unit, Data-Driven EnviroLab, NewClimate Institute, Oxford Net Zero. Last updated: 2nd November 2021.

OurWorldInData.org/co2-and-other-greenhouse-gas-emissions • CC BY







Net Zero Company Benchmark

Climate Action 100+,

- world's largest investor engagement initiative on climate change
- includes 700 signatories
- Covers \$68trn in assets under management

March 2022

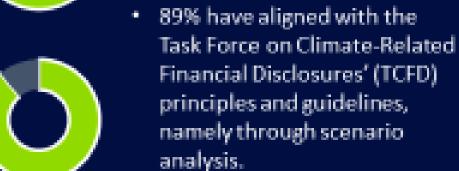
The Benchmark analyses 166 companies of their efforts to align with the Paris Agreement.



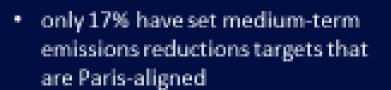
- 69% of companies have committed to net-zero emissions by 2050 at the latest,
 - 17% year-on-year increase.



 90% state a board-level oversight on climate change









 42% of companies also have "comprehensive" net-zero targets that cover all material emissions such as Scope 3, while



 just 5% have plans in place to align capex strategies with emissions targets.



 17% of companies have "robust quantified decarbonisation strategies" in place, with many only having commitments in place.







Make a Start

"Defer no time, delays have dangerous ends"

William Shakespeare, Henry VI, Part 1: Act 3, scene 2







TRANSFORMATION

"Talking transformation; walking incremental change"

De-couple link between growth and GHG emissions



Accenture, 2022

93% of world's largest companies will fail to meet NZ goals at current trajectory

"Incremental change, with continuous improvement techniques... gives illusion of progress towards net zero, until hitting the inevitable net-zero crunch point" Reimagining and Redesigning Organisations

What is your 'Why'? - Simon Sinek

What is your organization's 'why' Your personal 'why'

"Purpose-led organisations are more agile, more responsive, more innovative."

"If you have a very simple purpose, that keeps everyone focused on ultimately what they are trying to achieve it keeps them driven."

"Purpose – north star. If you have a clear purpose that guides your decisions."

Pandemic Pivoting

Shifting and adapting to new challenges, to new normal.

Opportunities to imagine a new normal.







Doughnut Economics

Highly connected and interlinked ecosystems with feedback loops.

A collapse in one area, will likely accelerate decline in other areas.

Strengthening resilience and capacity, enriches the whole system.

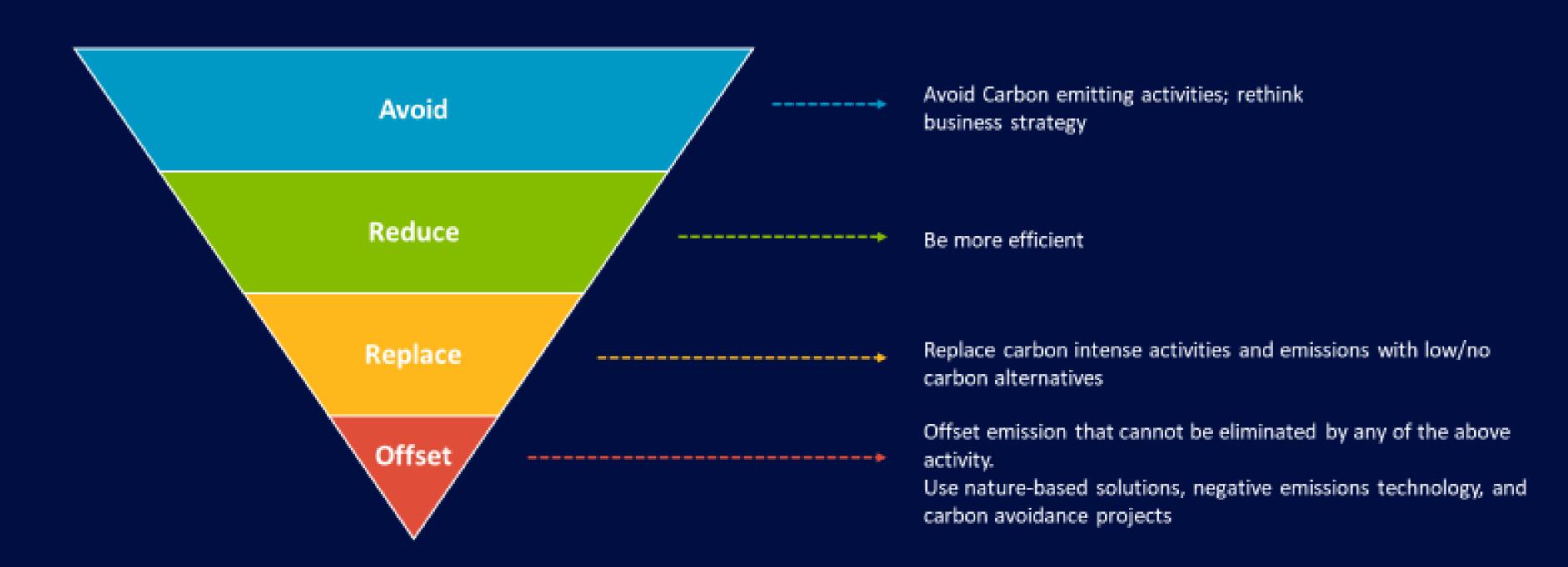








Carbon Hierarchy









MEASURE & MANAGE

Qualify impact and spheres of influence

Map / visualise the impacts that your organisation has:

- What fossil fuels are used, where, why, when?
- What equipment uses electricity, when?
- What raw materials, products and services are used?
- Are there alternatives? Think transformation!
- What external factors can you control or have an influence over?
- Annotate site fire-safety plan?

Quantify emissions

Collate information / evidence

- Bills, invoices, statements, delivery notes, waste transfer notes
- Monitoring systems smart meters, submeters, PLC data, manual meter readings and records
- Financial records, supplier transactions, employees' expense claims
- Reference publicly available emission factors / utilise carbon calculation tools

Third Party Verification

Identify opportunities

Hot spot analysis

- What contributes greatest emissions?
- What changes can be made, and can you implement change?
- What staff engagement and behaviour change opportunities exist?
- Wider stakeholder engagement
- What potential for gamification?
- Set science-based SMART targets;
- Incentivise achieving / exceeding targets
- Reach beyond BAU and incrementalism;
 become a innovator, disruptor, transformer
- Collaborate throughout value-chain







Laptops

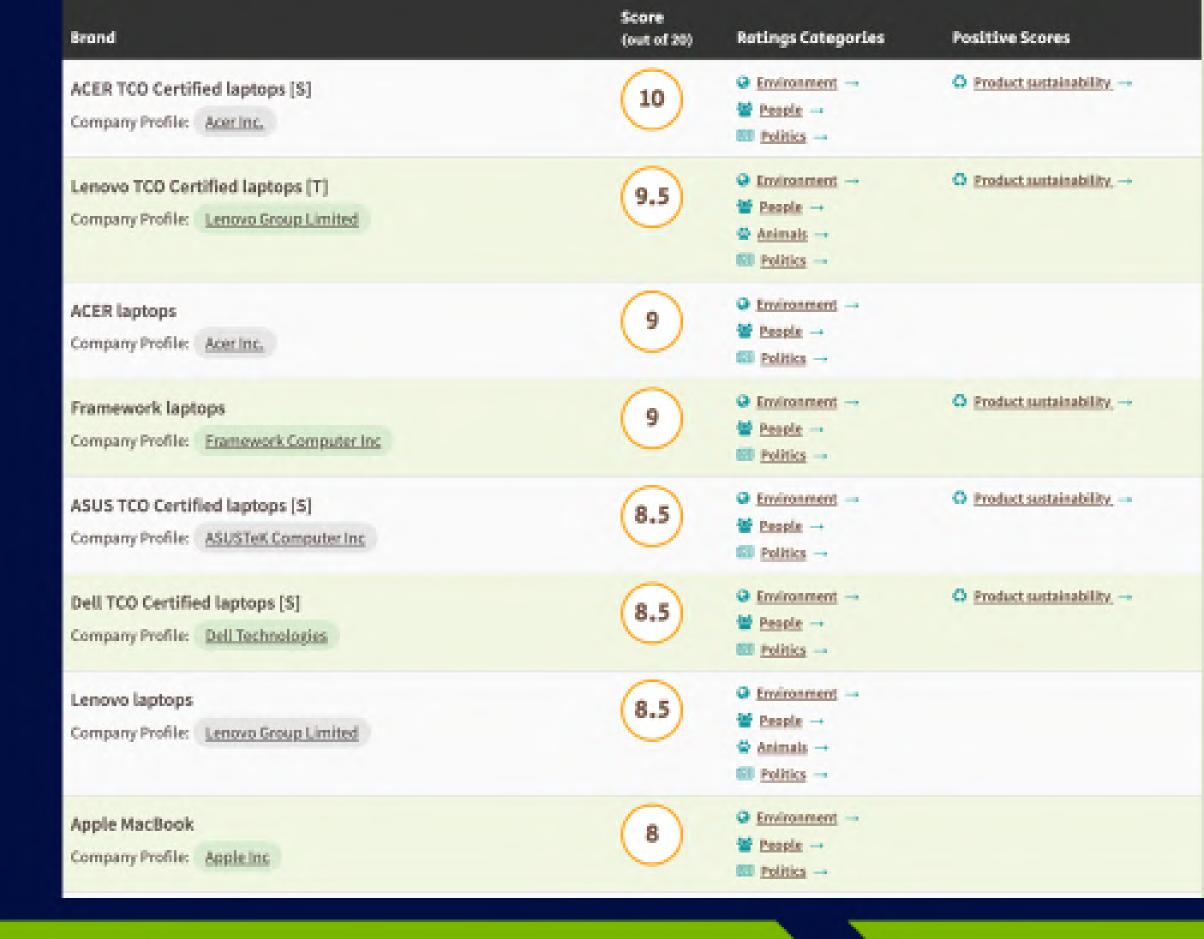
Second hand / Refurbished? Most impact is manufacture. Extend life of existing hardware

Repairable / Upgradable
IFixit has ranked popular laptop models
according to repairability. Select
hardware with user-replaceable battery,
replaceable storage and RAM

TCO Certified

Certification that the equipment has reduced environmental and social impact throughout its lifecycle, from manufacture to disposal

Source: Ethical Consumer









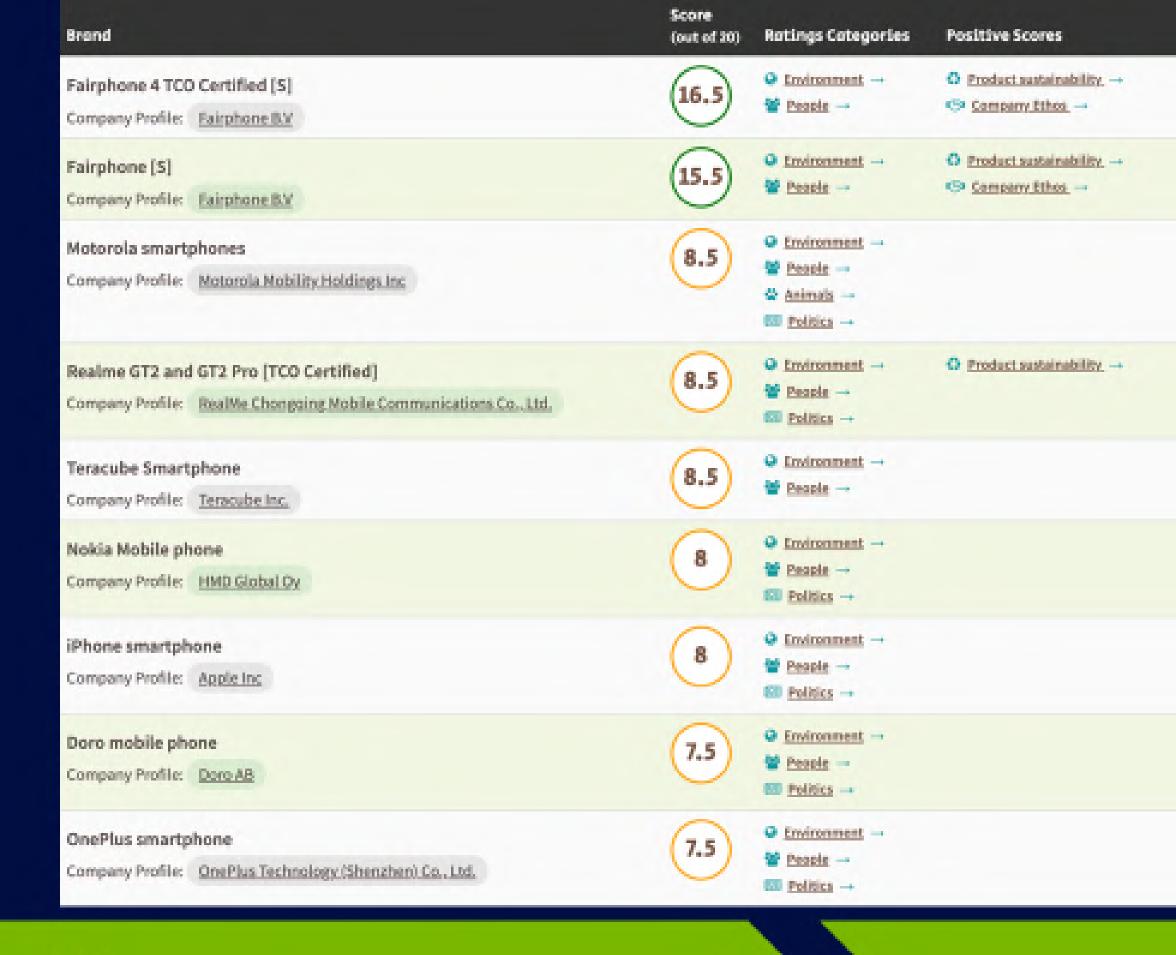
Mobile Phones

Second hand / Refurbished? Most impact is manufacture. Extend life of existing hardware

Modular / Repairable Modular are much easier to repair and extends the life of the phone.

Conflict Minerals Policy
Strong policies on conflict minerals can increase the likelihood that the minerals in your phone were sourced responsibly.

Source: Ethical Consumer









Broadband

Brand (out of 20) **Ratings Categories** Positive Scores Environment → Company Ethos -Green ISP broadband People -Company Profile: Green ISP Environment → Company Ethos -GreenNet broadband Company Profile: Green Net Limited Environment → Company Ethos --Zen broadband People -Company Profile: Zen Internet Limited Politics - Environment → Onestream broadband People -Company Profile: Onestream Limited Politics -○ Environment → SSE broadband People → Company Profile: Talktalk Telecom Group Limited Politics -Environment -TalkTalk broadband People -Company Profile: TalkTalk Group Politics - Environment → Vodafone broadband People -Company Profile: Vodafone Limited Politics - Environment → Company Ethos -Your Co-op broadband People -Company Profile: The Midcounties Co-operative Ltd Animals -Politics -

Score

Source: Ethical Consumer







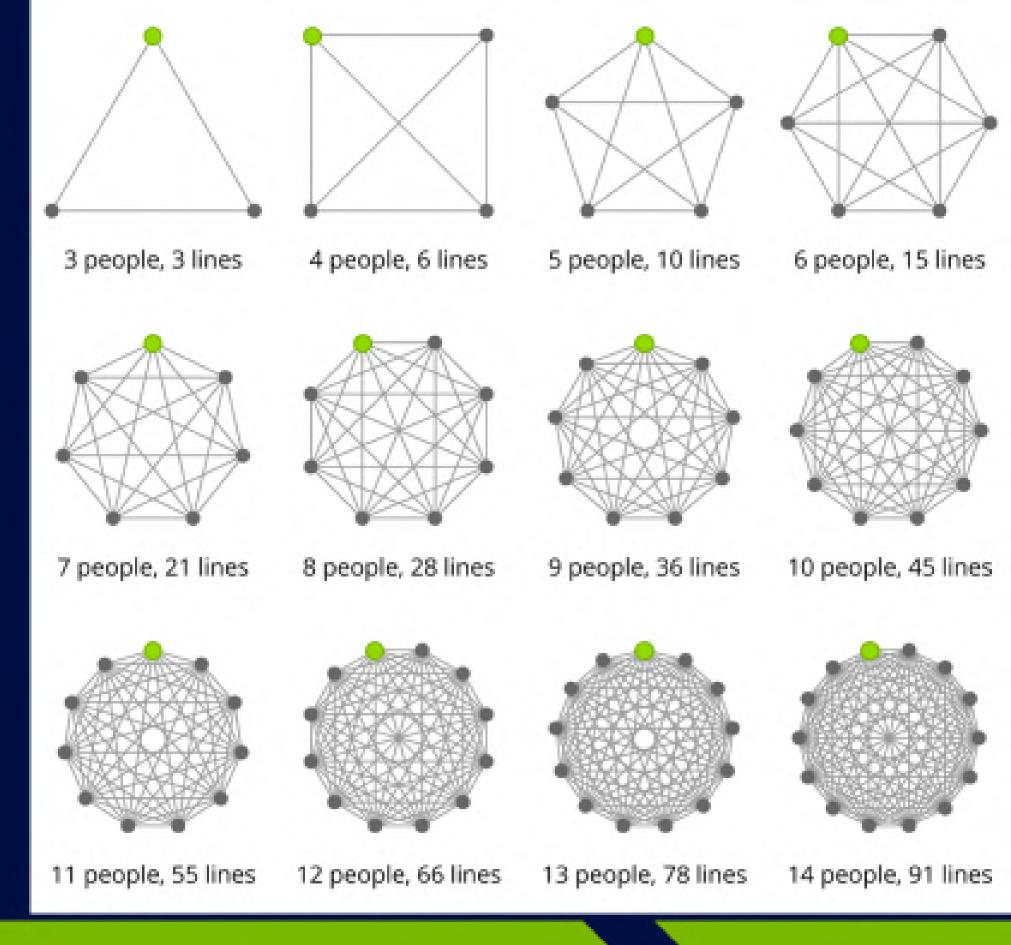
SPHERES OF INFLUENCE

Engage with staff, suppliers and customers

Share your 'Why'

Build collective community objective

Alignment with common goals, with consistent language









MAKE AN IMPACT



Measure

· Baseline performance.

Identify improvement opportunities

Commit

Define ambitious science based targets. 2050? 2030? 2025?

Engage

 Inspire action by staff, customers, suppliers, etc. to deliver impact

Communicate

Tell your "why" and "how'. Share challenges and successes.
 Be transparent, clear and accountable









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www.linkedin.com/in/andrewjmckenzie











CAROLINE AISTROP GREEN SPARK MARKETING

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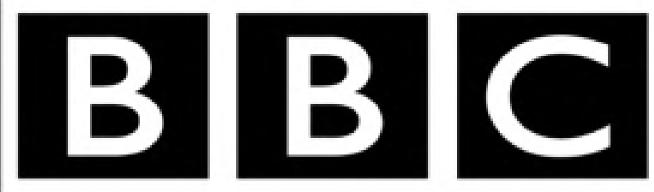


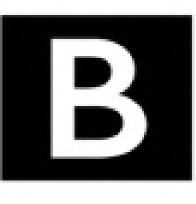


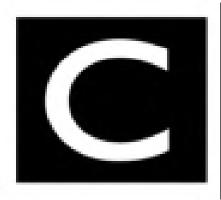










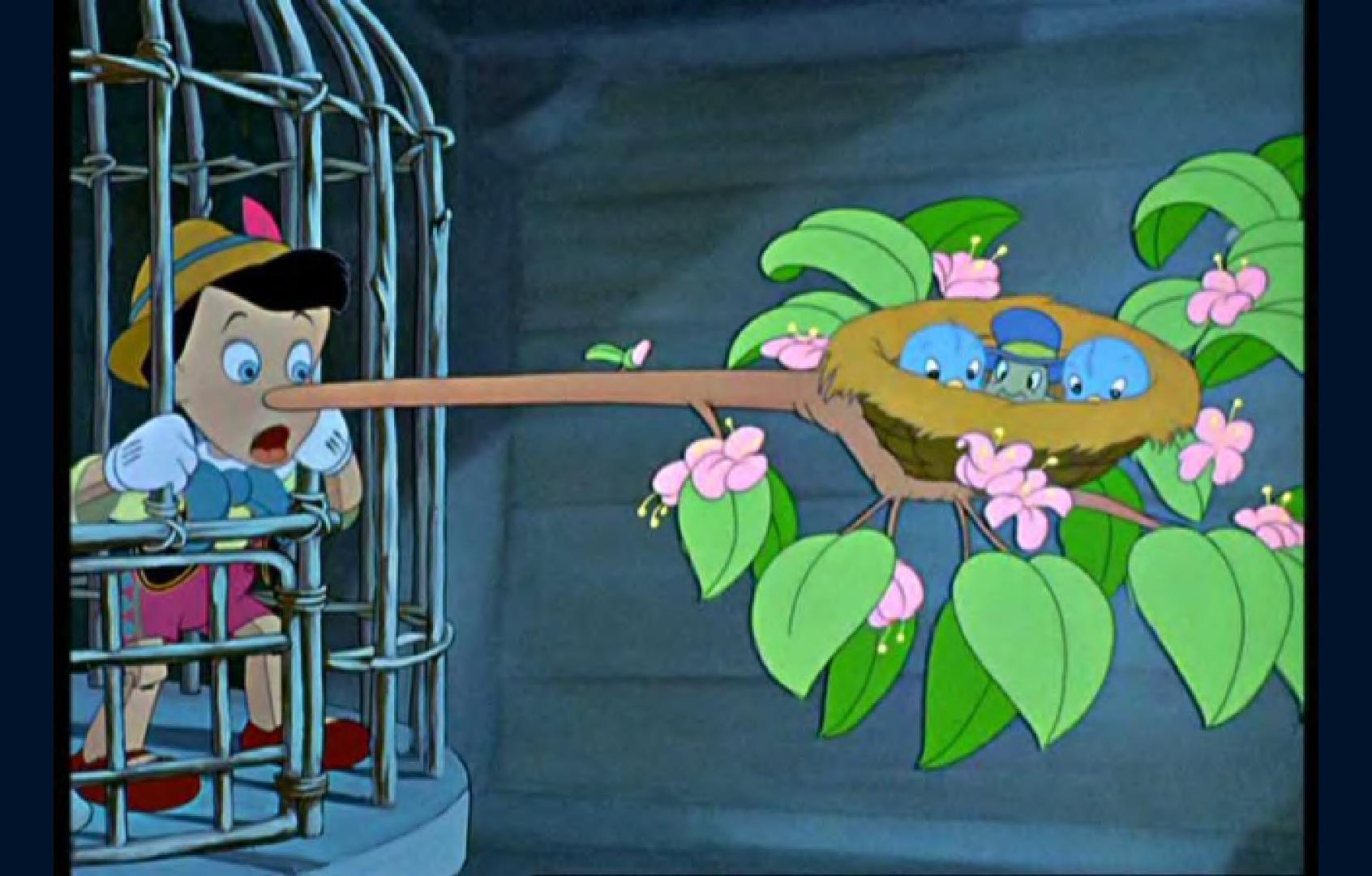




Spot the difference: Regular PR Green PR

Authenticity Transparency Psychology of Green





GREEN CLAIMS CODE

New regulation that came into effect in the UK on 1st January this year:

- Applies to all companies advertising within the UK
 whether or not they are physically located in the UK
- It's overseen by the UK's— a non-ministerial Government dept aimed at Competition & Markets Authority promoting competition for the benefit of consumers, including preventing & reducing anti-competitive behaviour

GREEN CLAIMS CODE

In summary, it says:

- Businesses should be truthful and accurate about their products, services, brands, and activities
- All product messaging & credentials should be clear and unambiguous for the consumer
- 3) Businesses should not hide or omit important information that could prevent a consumer from making an informed decision

GREEN CLAIMS CODE

- Any products compared must be intended for the same purpose or meet the same needs
- Businesses should consider the total impact of a product or service from the beginning to end
- 6) All claims must be substantiated with robust, credible and up-to-date information

EU: Proposals for amendments to Unfair Commercial Practices Directive (UCPD)

Discussions started in March 2022 aimed at eliminating greenwashing and planned obsolescence

In a nutshell:

Environmental claims cannot be made without clear, objective and verifiable commitments and targets, and without an independent monitoring system.









Household spending on goods & services, on the basis that they are sustainable, doubled between 2010-20



87% of consumers are more likely to trust a company that supports an environmental or social cause:

Ben & Jerry - 2x more loyal

House of Lords Environment & Climate Change Committee: 'In our hands: behaviour change for climate and environmental goals' published 12th Oct 2022

Businesses have a key role to play in enabling behaviour change to meet climate and environmental goals, including through increasing the affordability and availability of products and services with lower climate and environmental impacts and by engaging their customers and employees

IKEA:

'Business is critical to enabling and inspiring many people to take action [about climate change] across society'

85% of public are concerned or very concerned about climate change

85% agree that if everyone does their bit, the effects of climate change can be reduced





Tell your sustainability story: warts and all!



Free shipping on all UK orders over £20 details



100% Recycled Toilet Paper

48 Rolls for £36 - best value!

Add to

- IS THIS TP EXPENSIVE?
- WAIT, ARE YOU RECYCLING USED TOILET PAPER?
- WHERE DO YOU GET YOUR POST CONSUMER WASTE PAPER?
- WHY WRAP THE ROLLS INDIVIDUALLY?

Long story short, we have to wrap our rolls in something to keep them moisture-free and hygienic. We could wrap 6 rolls together (that's the limit), but we'd need to use a much thicker paper. The net paper used (by weight) to wrap a 6 pack in heavy duty paper vs. six individual rolls in the thin tissue paper we use is effectively the same. It's either this or plastic — and we hate plastic. Read more on our blog.



An extra 10% off everything with code VIP10 - Ends Sunday + Free Express Delivery if you spend over £75



SUSTAINABILITY AT WEIRD FISH THE ONLY WAY IS ETHICS

We don't claim to be a 100% sustainable brand from top to tail yet - but we do believe there's a better way of doing things. An approach that will have benefits for everyone – for us, for you, for our customers, partners and their employees, for our products and all our futures. But rather than go on and on about CSR, ethical trading policies and 'green' sustainability strategies... we just want to tell you about how we are doing things we think are a little better.

COVID-19: We are open and here to help. Click here for our latest service updates

one easy cail, pay by cara and then collected very promptly. Thank you Printwaste!

Rob Garnham

✓ Black bag waste

Why use Printwaste?



Simple to organise

You can select a collection day and time to suit you



We do the heavy lifting

All you need to do is tell us what you want removing



Experienced

We are experts in waste disposal and have years of experience, so you are in safe hands



Good for the planet

We will dispose of your waste responsibly and sustainably

We'd love to stay in touch

0000000

with our latest tips and advice on how

to do your bit for the planet from home.

Email*

View our privacy policy

JOIN UP



LIFESTYLE ~

SUSTAINABILITY ~

CHARITY

WEAR IT WITH PRIDE

BEHIND THE SCENES

COMPETITIONS

SHOP W

SUSTAINABILITY

Sustainability is part of who we are at Weird Fish. From sustainable practices, fabrics and ethical sourcing, we are actively turning our brand into a lean, green, sustainable fashion machine!



SUSTAINABILITY

1 3 WEEKS AGO | SUSTAINABILITY | SUSTAINABLE FASHION

5 Things You Can Do To A More Ethical Shopper

If you want to become an ethical shopper, this is your go to guide! We live in a world where Search and hit enter

RECENT POSTS

Puppy Biscuits Made With Pear

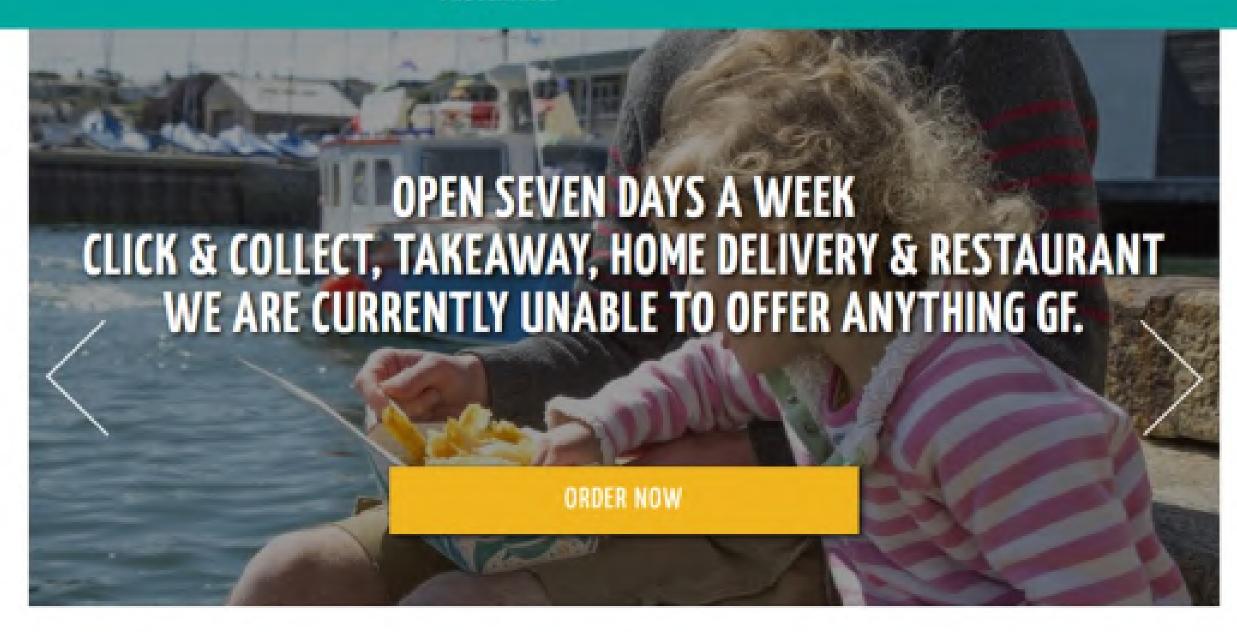






HOME CLICK & COLLECT DELIVERY BOOK GIFT CARDS CONTACT NEWS

PROVENANCE



IS EVERYONE THE SAME?

- 4 consumer segments revealed on the attitudinal spectrum:
 - highly committed Advocates
 - style and social status-seeking
 Aspirationals
 - price and performance-minded
 Practicals
 - inward-looking Indifferents





Green Spark is a sustainability storytelling & green PR specialist

Telling Your Sustainability Story: Half-day & full day workshops January 2023

greensparkmarketing.co.uk

Phone: 07894 663436





WE WILL NOW ANSWER YOUR QUESTIONS

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WE WILL NOW BREAK FOR LUNCH

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PHILIP BATE TRIODOS BANK

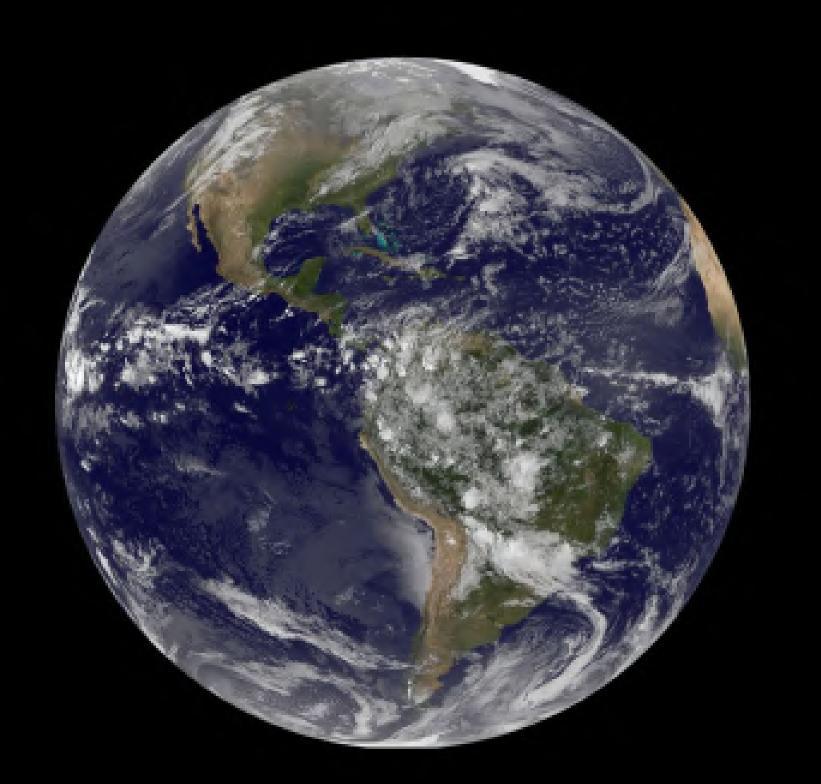
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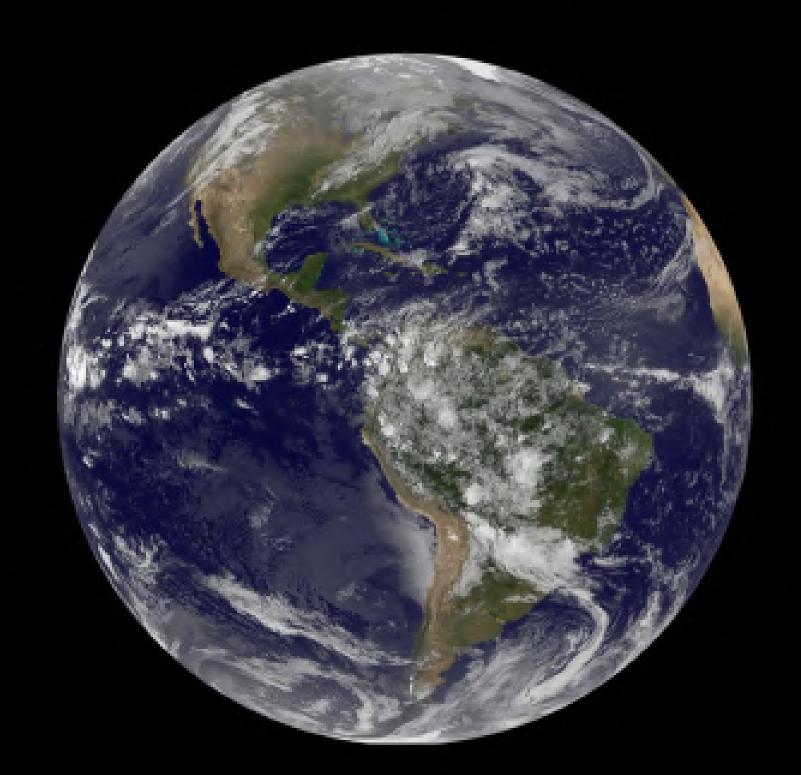
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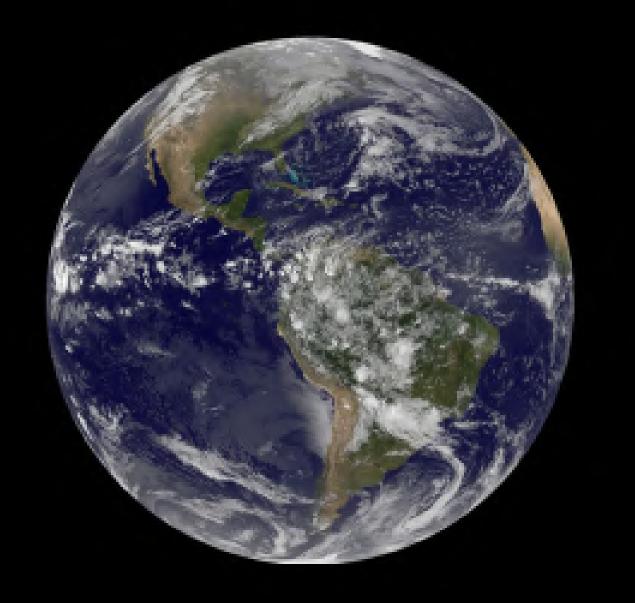
Triodos & Bank

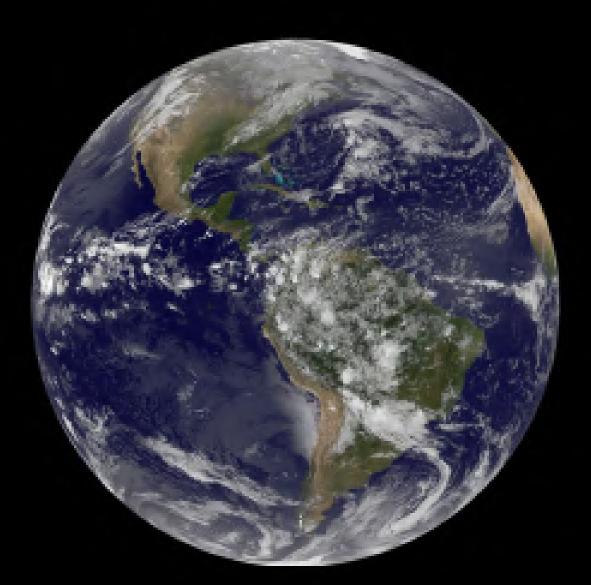
Triodos Bank An ethical banking alternative

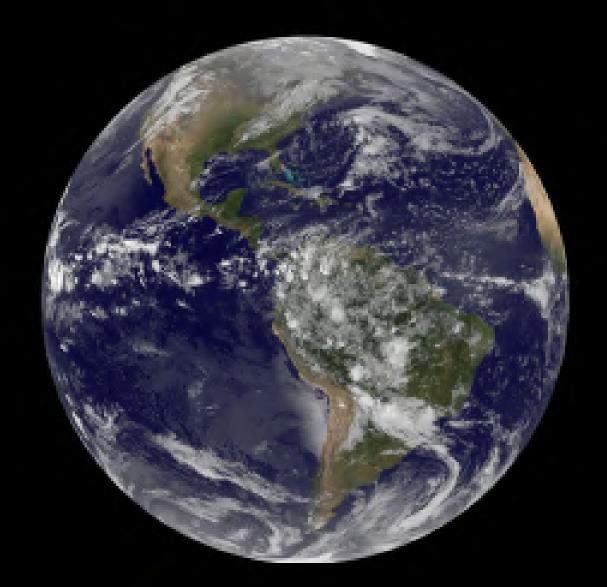


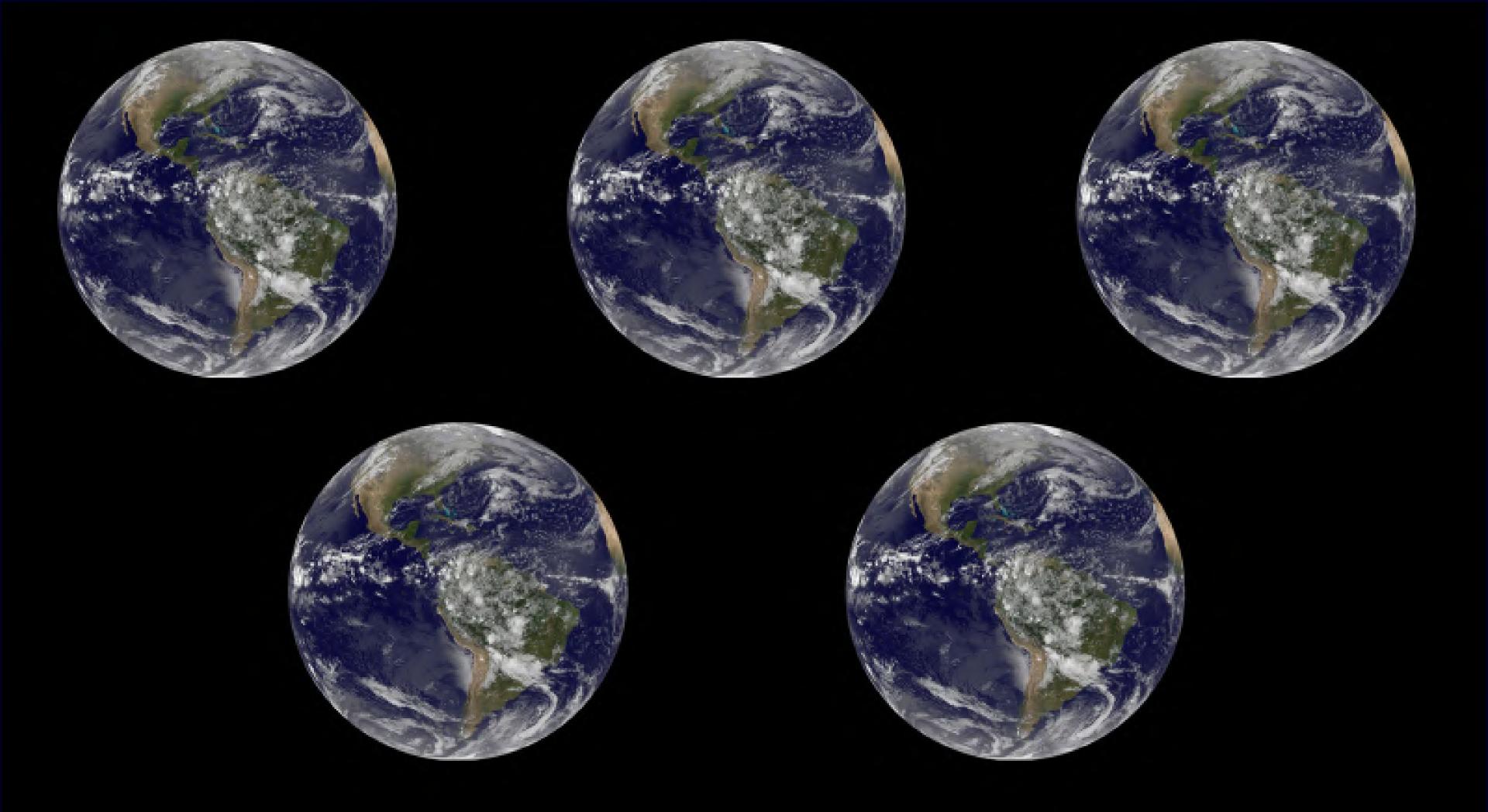












Who are Triodos Bank UK?

Our view on the role of banking in society

All banks exist to offer a service to individuals and businesses

Through loans and investments, banks also have power over where money goes

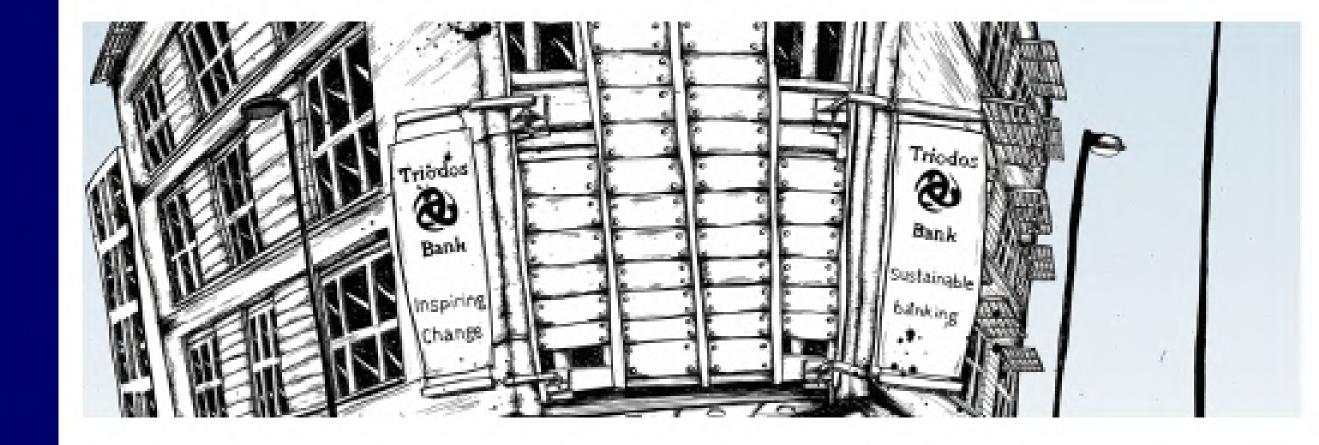
Banks have a responsibility to lend or invest for the good of people and planet







Our mission



Triodos Bank's mission is to help create a society that protects and promotes quality of life and human dignity for all.

A European Bank



We were founded in the Netherlands over 40 years ago, and now have over 747,000 customers across five European countries.

The bank is globally active through our investment funds.









Key Facts – Triodos Bank UK 2021

Customer Deposits: £1.6bn (13.8% growth)

Loan Book: £1.1bn (6% growth)

Customers: c85,000 (16% growth)









Impact across Triodos Bank group Changing finance



"We can no longer measure success purely in terms of growth when our resources are finite. We can work harder to create a global economy that works better for people and planet."

Bevis Watts, CEO, Triodos Bank UK



Bankers for NetZero

Forging policy and practice for the future











Global Alliance for Banking on Values



B Impact Report

Triodos Bank

Triodos Bank N.V.

Financial services for clients who want to change the world for the better.

Certified Since: Merch, 2015
Location: Zeist, Utrecht, Netherlands The
Sector: Service with Minor Environmental Footprint

Overall B Impact Score (1)





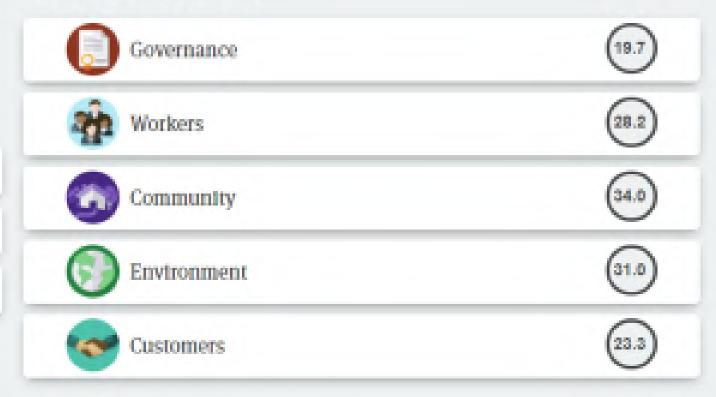
WWW.TRIODO'S.COM

Triodos Bank helps to create a society that promotes people's quality of life and that has human dignity at its core. They offer a full set of banking services. They connect savers and investors who want to change the world for the better with entrepreneurs and sustainable companies.

Best for the World Honoree ①

Best for Overall 2019	GD
Best for Governance 2019	69
Best for Governance 2017	ල

Impact Area Scores ①



We lend to a wide range of organisations, across a variety of sectors.

All our customers are working for positive environmental, social or cultural change.

Our offering:

Loans - £250k to £20m, up to 20yrs

In house Corporate Finance team -Capital raising - £250k to £10m (debt and equity)

Ethical Crowdfunding Investments | Triodos Bank (triodoscrowdfunding.co.uk)



Case studies

Royal Society for the Protection of Birds (RSPB)



Finance from Triodos supported the Royal Society for the Protection of Birds (RSPB) to install renewable energy projects across its nature reserves as part of its ongoing sustainability programme.



Springfield Meadows



Funding from Triodos enabled the creation of the 25 homes in Southmoor, Oxfordshire, which were all built using a zero-carbon construction method.



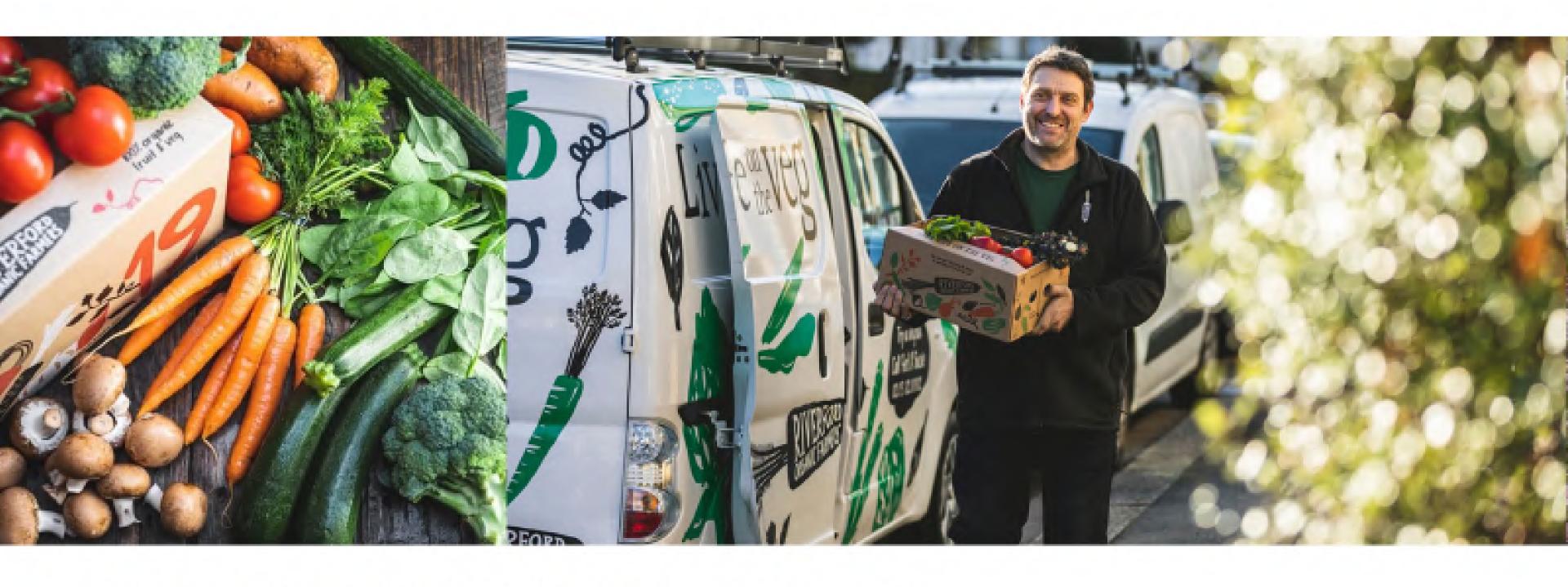
Ember Core



Funding from Triodos enabled the Edinburgh-based electric coach pioneers, **Ember Core**, to purchase two electric coaches and help drive forward their mission to decarbonise transport.



Riverford



Finance from Triodos supported **Riverford's** move to an employee ownership structure.



North Camden Housing Co-operative



Funding from Triodos helped finance an environmental redesign and renovation of Carlton Chapel House. This renovation aims to eradicate fuel poverty and create a sustainable building for the future.



Keep in touch



Phill Bate
Team Leader – South West & Midlands

Phillip.Bate@Triodos.co.uk





Please welcome ROB MALIN WHEN IN ROME WINES

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WHEN ROME DECARBONISING THE WINE INDUSTRY

Corporation PENDING

GREEN PRODUCT DEVELOPMENT AS A USP



Lifestyle More ~

Glass dismissed: wine goes green with paper bottle drive

Eco bottle from sustainable brand When in Rome goes on sale through Ocado this week



The bottles, made by the sustainable packaging firm Frugalpac, are 94% recycled paper and have a carbon footprint about a sixth of a single-use glass bottle. Photograph: When in Rome

The paper wine bottle is one of the biggest ideas since the screw top but as pecorino in a brown paper eco-bottle arrives at Ocado, there's one thing to

blocks to encourage biodiversity and the use of organic fertilisers such as seaweed. ESR gusbourne.com

TAMARA HINSON

RAISES A GLASS TO

OF SUSTAINABILITY

THE ON-TREND

WINEMAKERS AT

THE FOREFRONT

A WHOLE

2021

Glass bottles require huge amounts of energy to produce, transport and recycle, which is why we're excited about the growing

opularity of canned wine. Our avourite canned tipple? This delicious malbec from Wild Steps, a brand known for its use of sustainably sourced organic ingredients and partnerships with environmental charities, which receive ten per cent of the profit from every can sold. Current beneficiaries include the British Beekeepers Association and the Woodland Trust.

£4.30 per can, ampowinemerchants.co.uk

ROME

PRIMITIN

-

states Altano Douro Red

ROME

This fabulously fruity wine is made by Portuguese wine producer Symington Family Estates, which has joined up with Rewilding Portugal. This brilliant non-profit helps restore wildlife corridors in northern Portugal - vital

ton Family

Company of the Year at the Drinks Business Green Awards in 2020 - the same year the company launched the Journey's End Foundation, a non-profit organisation bunded to tackle poverty in the Helderberg region of Stellenbosch, Phew. £10. soinsburys.co.uk

ROHE

Monday, June 27, 2022 | METRO | 15

habitats for species such as Iberian

Sounds like a good reason to crack

open a bottle... £10. soinsburys.co.ul

Adnams Organic Verdejo Sauvignon Blanc

times smaller than a single-use bottle.

largely due to the reduced weight of

the packaging. £29.9% odnams.co.uk

The South Africa-based Journey's

End vineyard converted to

solar power in 2014, was certified Fairtrade in 2017

and was named Ethical

Adnams' boxed wines include

a fabulous

tempranillo shiraz,

although it's the

organic Verdejo

sauvignon blanc that is the perfect tipple for a summer's day.

Interestingly, the carbon footprint of

a wine box is ten

Journey's End Chardonnay

lynnes, wolves and black stocks,

EARTH

Mailonline

Home News U.S. | Sport | TV&Showbiz | Australia | Femail | Health | Latest Headlines | The Queen | Boris Johnson | Russia-Ukraine War | Women's Rights

White wine with notes of green! Alcohol brand becomes latest to offer its product in a paper bottle to cut down on pollution

- A wine company has started selling drinks out a paper bottles rather than glass
- The bottles are made from up to 94% recycled paper with a plastic liner inside
- Less energy in manufacturing means its carbon footprint is 84% less than glass

By SEAN POULTER CONSUMER AFFAIRS EDITOR FOR THE DAILY MAIL PUBLISHED: 01:06, 4 May 2022 | UPDATED: 01:08, 4 May 2022



Wine company When in Rome have begun selling their drinks in paper bottles (pictured), using mainly recycled material

GREEN PRODUCT DEVELOPMENT AS A USP

Intro to When in Rome

- Who are we?
- What do we do?
- Where are we based?

WiR "green" credentials

- We do not use glass bottles
- First wine brand globally to publish climate impact on each SKU
- Applied for B Corp certification
- Sponsor FGR

Green product development

- Meaning? WiR definition of sustainability
- What?
- Why?



Hank you to all our speakers! *******

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